

## 1) The Db-Browser (DX Schema Browser)

Throughout this project I've seen developers, testers, SSIT personnel and

the Science Office using a tool called "Db-Browser" a.k.a. "DX Schema Browser". I'm somewhat familiar with how to bring up the GUI and navigate through the options, but I'm curious on the meaning of some of the "TABLES" definitions. I know there's about 70 or more but I am particularly interested in 10 of them could you please define these:

DpPrDiskAllocation

DpPrDependlist

DpPrExecutable

DpPrGranuleLocation

DpPrExitDependency

PlDprCompletion

PlDataTypeMaster

PlOutputDataYield

PlPgeDetailParameter

PlResourceRequirment

**Answer:**

Section 4 of the 311 document contains descriptions about each PDPS database table. Pages 4-5 onwards have the tables contained in the questions.

## 2) Production Planning

How to generate a daily, weekly, monthly and if so yearly plan. It is not quite crystal clear (to me) on how this scenario works. I will assume that the PGE is already registered, so the next step is to select a PGE from the PREditor and enter the DurationStart time and End time. Lets say I want to generate data from PGEA (example) from 03/22/99 00:00:00 to 04/05/99 24:00:00 and then I want to generate data from PGEB (example) from 03/22/99 00:00:00 to 03/22/99 24:00:00 and then generate data from another PGEC (example) from 01/01/98 00:00:00 to 06/30/99 24:00:00. Once the DPR(s) are exploded and the Production Requests resides in the Planning Work bench as unscheduled, how would I create a daily, weekly, and monthly plan to process all these requests and knowing that there are more to follow? What would be a real time scenario? and if some of the PGE(s) were to fail during processing how would I recover?

**Answer:**

This question is an operation type question and can best be answered by reviewing the procedure during the PDPS Telecon.

### 3) AutoSys Failed PGE Troubleshooting

When viewing the processing of a PGE via AutoSys, what type of action from a troubleshooting standpoint would a user take if a PGE fails in certain job boxes? I am aware that the cause of PGE failures can occur due to bad PGE data, but from an environment/system standpoint, if a PGE fails in these job boxes where would I look first:

.A (allocation)

.S (Staging)

.p (preprocessing)

.E (Execution)

.p (Post Processing)

.I (Insertion)

.D(Deallocation)

**Answer:**

This question is best answered by providing you the PDPS Troubleshooting website: <http://dmserver.gsfc.nasa.gov/ecsdev/relb/pdps/troubleshooting.html>

This site reviews the troubleshooting tips used when jobs are activated, but do not get started in Autosys. Please note, that additional troubleshooting tips and FAQs are included in this website.

### 4. Learn the best ways to use the Resource and Production Planning Timelines

-How powerful is the Resource Planning Timeline? How much control does it exert over the system? Could it lock out all activities on the mode that aren't scheduled through it? Can we gain enough control over the tool to allow anyone to put in a Resource Request but only allow a select few to validate/approve/commit globally? Would it be possible to have a timeline display that shows all 3 modes and prints out?

**Answer:**

The 4th question wanted to know if the Resource Planning Timeline could monitor more than one mode at the time, and the answer is NO. The whole idea of mode management is that tools running in a mode don't "see" any other modes. There was another question as to what control did the timeline have over resources. The answer is NONE. Timeline tools are purely for visualization.